

CLAIMS

WHAT IS CLAIMED IS:

1. A method for configuring contents of a network management notification,
comprising:

receiving at a management station a list of notifications supported by an agent;

sending a message to the agent specifying objects for each of the notifications;

and

receiving a notification containing the specified objects upon occurrence of an
event.

2. The method of claim 1 wherein sending a message comprises utilizing a
SNMP protocol.

3. The method of claim 1 wherein receiving a list of notifications comprises
receiving a management information base.

4. The method of claim 3 wherein sending a message comprises sending a modified management information base.

5. The method of claim 1 wherein receiving a list of notifications comprises receiving a list of objects associated with each of the notifications.

6. The method of claim 5 wherein sending a message comprises adding new objects to the notification.

7. The method of claim 5 wherein sending a message comprises reordering the objects in the notification.

8. The method of claim 1 wherein receiving a list of notifications comprises receiving a list of variable bindings for each of the notifications.

9. The method of claim 8 wherein sending a message comprises sending a list of variable bindings for each of the notifications.

10. The method of claim 1 further comprising sending a request from the management station for information on notifications supported by the agent.

5 11. The method of claim 10 wherein sending a request comprises sending a Get request.

12. The method of claim 1 wherein receiving a notification comprises receiving a Trap message.

10 13. The method of claim 1 wherein receiving a notification comprises receiving an Inform message.

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14. A computer program product for configuring contents of a network management notification, comprising:

code that receives at a management station a list of notifications supported by an agent;

code that sends a message to the agent specifying objects for each of the notifications;

code that receives a notification containing the specified objects; and

a computer-readable storage medium for storing the codes.

15. The computer program product of claim 14 wherein the computer readable medium is selected from the group consisting of CD-ROM, floppy disk, tape, flash memory, system memory, hard drive, and data signal embodied in a carrier wave.

16. The computer program product of claim 14 wherein the management station comprises a SNMP manager.

17. The computer program product of claim 14 further comprising code that requests information on notifications from the agents.

18. A system for configuring contents of a network management station,
comprising:

a processor that receives information specifying contents of notifications
supported by an agent within a network at a management station and sends instructions
5 from the management station to the agent to modify the contents of the notification to a
preferred configuration; and

a storage medium having the preferred configuration stored thereon.

19. A system for configuring contents of a network management station,
comprising:

means for receiving information specifying contents of notifications supported by
an agent within a network at a management station; and

means for sending instructions from the management station to the agent to
modify the contents of the notifications.

20. A method for sending SNMP notifications from an agent to a management station, comprising:

receiving a message from the management station specifying objects for notifications supported by the agent;

5 modifying a list of objects for the notifications; and

sending a notification containing the specified objects upon occurrence of an event.

21. The method of claim 20 further comprising receiving a request from the management station for a list of objects currently contained within notifications supported by the agent.

22. The method of claim 21 further comprising sending a management information base containing a list of the objects currently contained within the notifications supported by the agent.

23. A system for sending SNMP notifications from an agent to a management station, comprising:

a processor configured to receive a message from the management station specifying objects for notifications supported by the agent, modify a list of objects for the notifications, and send a notification containing the specified objects upon occurrence of an event; and

a storage medium for storing the notifications supported by the agent.